an isolation device forming part of the data communication path.

42. The device of claim 41, wherein said coupling device is comprised of a magnetically permeable toroid.

43. The device of claim 42, wherein said coupling device is further comprised of a winding in communication with said magnetically permeable toroid.

44. The device of claim 41, wherein said isolation device is light conducting communication medium.

45. The device of claim 42, wherein said coupling device forms part of said isolation device.

46. The device of claim 41, wherein said first modem is a wireless modem.

REMARKS

Entry of this response and amendment is respectfully requested. Claims 1-6 and 8-12 have been cancelled. Claim 7 has been amended. Claims 13-46 have been added. Upon entry of this amendment, claims 7 and 13-46 will be pending in the application. No new matter has been added.

Applicants would like to thank the Examiner for indicating the allowability of objected to claim 12. Claim 7 has been amended to substantially include the limitations of claim 12, in addition to other amendments to claim 7. Accordingly, applicant believes that amended claim 7 is now in condition for allowance. Also, claims 13-46 have been added and are believed to be patentable over the presently cited art.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

Respectfully submitted,

Date: **February 27, 2003**

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please amend the Title to read as follows:

[Apparatus and Method for Providing a Power Line Communication Device for Safe Transmission of High-frequency, High-bandwidth Signals Over Existing Power Distribution Lines] A Power Line Communication System and Method of Using the Same

In the Claims:

Claim 7 has been amended as follows:

7. An apparatus for [safely transporting high-frequency] communicating electrical data signals over power transmission lines, comprising:

a first coupler [means] for coupling and de-coupling [high-frequency] electrical data signals on a first power transmission line;

[an] a first electro-optical transducer in communication with said first coupler and capable of converting [high-frequency] electrical data signals to light signals and light signals to [said high-frequency] electrical data signals; [and]

a [non-electrically conductive but light conductive] fiber optic communication medium [adjacent] having a first end communicatively coupled to said first transducer for [coupling and de-coupling] communicating said light signals;

a second electro-optical transducer communicatively coupled to an opposite end of said fiber optic communication medium and capable of converting electrical data signals to light signals and light signals to electrical data signals; and

a second coupler in communication with said second transducer for coupling and de-coupling electrical data signals on a second power transmission line.

Claims 1-6 and 8-12 have been cancelled.

Claims 13-46 have been added.